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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPlus records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPlus
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPlus
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS	23	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS	24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	25	MAR 03	FRANCEPAT now available on STN
NEWS EXPRESS			MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
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FILE 'HOME' ENTERED AT 09:01:17 ON 24 MAR 2004

=> file agricola biosis embase caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'AGRICOLA' ENTERED AT 09:01:33 ON 24 MAR 2004

FILE 'BIOSIS' ENTERED AT 09:01:33 ON 24 MAR 2004

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FILE 'CAPLUS' ENTERED AT 09:01:33 ON 24 MAR 2004

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=> s QPRTase and plant

L1 5 QPRTASE AND PLANT

=> d l1 1-5 ti

L1 ANSWER 1 OF 5 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Regulation of quinolate phosphoribosyl transferase expression by transformation with a tobacco quinolate phosphoribosyl transferase nucleic acid.

L1 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Regulation of quinolate phosphoribosyl transferase expression.

L1 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Molecular characterization of quinolinate phosphoribosyltransferase (***QPRTase***) in Nicotiana.

L1 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Molecular characterization of quinolinate phosphoribosyltransferase (***QPRTase***) in Nicotiana

L1 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Cloning of cDNA for tobacco quinolate phosphoribosyl transferase (

by ***QPRtase***) and methods of producing nicotine-low ***plants***
regulating the expression of ***QPRtase***

=> d 11 1-3 ibib ab

L1 ANSWER 1 OF 5 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:354774 BIOSIS
DOCUMENT NUMBER: PREV200300354774
TITLE: Regulation of quinolate phosphoribosyl transferase
expression by transformation with a tobacco quinolate
phosphoribosyl transferase nucleic acid.
AUTHOR(S): Conkling, Mark A. [Inventor, Reprint Author]; Song, Wen
[Inventor]; Mendu, Nandini [Inventor]
CORPORATE SOURCE: ASSIGNEE: North Carolina State University
PATENT INFORMATION: US 6586661 July 01, 2003
SOURCE: Official Gazette of the United States Patent and Trademark
Office Patents, (July 1 2003) Vol. 1272, No. 1.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
ISSN: 0098-1133 (ISSN print).
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 30 Jul 2003
Last Updated on STN: 30 Jul 2003
AB DNA encoding a tobacco quinolate phosphoribosyl transferase (
QPRtase) enzyme, and constructs comprising such DNA are provided.
Methods of altering quinolate phosphoribosyl transferase expression are
provided.

L1 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2002:476547 BIOSIS
DOCUMENT NUMBER: PREV200200476547
TITLE: Regulation of quinolate phosphoribosyl transferase
expression.
AUTHOR(S): Conkling, Mark A. [Inventor, Reprint author]; Song, Wen
[Inventor]; Mendu, Nandini [Inventor]
CORPORATE SOURCE: Fuquay Varina, NC, USA
ASSIGNEE: North Carolina State University
PATENT INFORMATION: US 6423520 July 23, 2002
SOURCE: Official Gazette of the United States Patent and Trademark
Office Patents, (July 23, 2002) Vol. 1260, No. 4.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 11 Sep 2002
Last Updated on STN: 11 Sep 2002
AB DNA encoding a ***plant*** quinolate phosphoribosyl transferase (
QPRtase) enzyme, and constructs comprising such DNA are provided.
Methods of altering quinolate phosphoribosyl transferase expression are
provided.

L1 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:102405 BIOSIS
DOCUMENT NUMBER: PREV200100102405
TITLE: Molecular characterization of quinolinate

phosphoribosyltransferase (***QPRTase***) in Nicotiana.
 AUTHOR(S): Sinclair, Steven J.; Murphy, Kristina J.; Birch, Carlie D.;
 Hamill, John D. [Reprint author]
 CORPORATE SOURCE: Department of Biological Sciences, Monash University,
 Clayton Campus, Melbourne, Victoria, 3168, Australia
 john.hamill@sci.monash.edu.au
 SOURCE: Plant Molecular Biology, (November, 2000) Vol. 44, No. 5,
 pp. 603-617. print.
 CODEN: PMBIDB. ISSN: 0167-4412.
 DOCUMENT TYPE: Article
 LANGUAGE: English
 ENTRY DATE: Entered STN: 28 Feb 2001
 Last Updated on STN: 15 Feb 2002

AB Quinolate acid phosphoribosyltransferase (***QPRTase***), a key enzyme
 in nicotinamide adenine dinucleotide (NAD) biosynthesis, also plays an
 important role in ensuring nicotinic acid is available for the synthesis
 of defensive pyridine alkaloids in Nicotiana species. In this study,
 cDNAs for ***QPRTase*** were characterized from *N. rustica* and *N.*
tabacum. Deduced proteins from both cDNAs are almost identical and
 contain a 24 amino acid N-terminal extension, not reported in other
 QPRTases, that has characteristics of a mitochondrial targeting
 sequence. In *N. tabacum* and *N. sylvestris*, both of which contain nicotine
 as the major pyridine alkaloid, ***QPRTase*** transcript was detected
 in roots, the site of nicotine synthesis, but not in leaves.
 QPRTase transcript levels increased markedly in roots of both
 species 12-24 h after damage to aerial tissues, with a concomitant rise in
 transcript levels of putrescine N-methyltransferase (PMT), another key
 enzyme in nicotine biosynthesis. In *N. glauca*, however, in which
 anabasine represents the major pyridine alkaloid, ***QPRTase***
 transcript was detected in both leaf and root tissues. Moreover, wound
 induction of ***QPRTase*** but not PMT was observed in leaf tissues,
 and not in roots, 12-24 h after wounding. Southern analysis of genomic
 DNA from the *Nicotiana* species noted above, and also several others from
 within the genus, suggested that ***QPRTase*** is encoded by a small
 gene family in all the species investigated.

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

14.23	14.44
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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Mar 19, 2004 (20040319/UP).

=> s quinolate and plant

0 QUINOLATE

13 PLANT

7 PLANTS

20 PLANT

(PLANT OR PLANTS)

L2

0 QUINOLATE AND PLANT

=> file agricola biosis embase caplus
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
0.18	14.62

FULL ESTIMATED COST

FILE 'AGRICOLA' ENTERED AT 09:04:59 ON 24 MAR 2004

FILE 'BIOSIS' ENTERED AT 09:04:59 ON 24 MAR 2004

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=> s quinolate and plant

L3 60 QUINOLATE AND PLANT

=> duplicate remove l3

DUPLICATE PREFERENCE IS 'BIOSIS, CAPLUS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L3

L4 55 DUPLICATE REMOVE L3 (5 DUPLICATES REMOVED)

=> d l4 1-10 ti

L4 ANSWER 1 OF 55 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Regulation of ***quinolate*** phosphoribosyl transferase expression by
transformation with a tobacco ***quinolate*** phosphoribosyl
transferase nucleic acid.

L4 ANSWER 2 OF 55 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Regulation of ***quinolate*** phosphoribosyl transferase expression.

L4 ANSWER 3 OF 55 CAPLUS COPYRIGHT 2004 ACS on STN

TI Modifying nicotine and nitrosamine levels in genetically engineered
tobacco

L4 ANSWER 4 OF 55 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Sources of resistance to Fusarium wilt of chickpea in Sudan.

L4 ANSWER 5 OF 55 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 1

TI Molecular characterization of quinolinate phosphoribosyltransferase
(QPRTase) in Nicotiana.

L4 ANSWER 6 OF 55 CAPLUS COPYRIGHT 2004 ACS on STN

TI Cloning of cDNA for tobacco ***quinolate*** phosphoribosyl transferase
(QPRTase) and methods of producing nicotine-low ***plants*** by
regulating the expression of QPRTase

L4 ANSWER 7 OF 55 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

DUPLICATE 2

TI Abnormal growth and flowering of Phalaenopsis induced by fungicides.

L4 ANSWER 8 OF 55 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Non-basic components of Coptis rhizoma. II. Four new hemiterpenoid glucosides, two new phenylpropanoid glucosides and a new flavonoid glycoside from Coptis japonica var. dissecta.

L4 ANSWER 9 OF 55 CAPLUS COPYRIGHT 2004 ACS on STN
TI Effectiveness of fungicides for control of fusarium wilt of flax

L4 ANSWER 10 OF 55 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Effect of some fungicide seed treatments on the survival of Bradyrhizobium japonicum and on the nodulation and yield of soybean (Glycine max. (L) Merr.).

=> d 14 3 5 ibib ab

L4 ANSWER 3 OF 55 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:964110 CAPLUS
DOCUMENT NUMBER: 138:52885
TITLE: Modifying nicotine and nitrosamine levels in genetically engineered tobacco
INVENTOR(S): Conkling, Mark A.
PATENT ASSIGNEE(S): Vector Tobacco Ltd., Bermuda
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002100199	A2	20021219	WO 2002-US18040	20020606
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2001-297154P P 20010608

AB The present invention generally relates to tobacco and tobacco products having a reduced amt. of nicotine and/or tobacco specific nitrosamines (TSNA). More specifically, several ways to make tobacco ***plants*** that have reduced nicotine and TSNA levels have been discovered. Embodiments include tobacco harvested from said tobacco ***plants***, cured tobacco from said tobacco ***plants***, tobacco products made with said cured tobacco and methods of making these compns. Thus gene RD2 from tobacco was identified and found to encode a ***quinolate*** phosphoribosyl transferase. This gene was isolated and reintroduced into tobacco in an antisense orientation. Tobacco ***plants*** thus transformed displayed a reduced amt. of nicotine and tobacco specific

nitrosamines.

L4 ANSWER 5 OF 55 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 1

ACCESSION NUMBER: 2001:102405 BIOSIS
DOCUMENT NUMBER: PREV200100102405
TITLE: Molecular characterization of quinolinate
phosphoribosyltransferase (QPRTase) in *Nicotiana*.
AUTHOR(S): Sinclair, Steven J.; Murphy, Kristina J.; Birch, Carlie D.;
Hamill, John D. [Reprint author]
CORPORATE SOURCE: Department of Biological Sciences, Monash University,
Clayton Campus, Melbourne, Victoria, 3168, Australia
john.hamill@sci.monash.edu.au
SOURCE: Plant Molecular Biology, (November, 2000) Vol. 44, No. 5,
pp. 603-617. print.
CODEN: PMBIDB. ISSN: 0167-4412.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 28 Feb 2001
Last Updated on STN: 15 Feb 2002

AB ***Quinolate*** acid phosphoribosyltransferase (QPRTase), a key enzyme
in nicotinamide adenine dinucleotide (NAD) biosynthesis, also plays an
important role in ensuring nicotinic acid is available for the synthesis
of defensive pyridine alkaloids in *Nicotiana* species. In this study,
cDNAs for QPRTase were characterized from *N. rustica* and *N. tabacum*.
Deduced proteins from both cDNAs are almost identical and contain a 24
amino acid N-terminal extension, not reported in other QPRTases, that has
characteristics of a mitochondrial targeting sequence. In *N. tabacum* and
N. sylvestris, both of which contain nicotine as the major pyridine
alkaloid, QPRTase transcript was detected in roots, the site of nicotine
synthesis, but not in leaves. QPRTase transcript levels increased
markedly in roots of both species 12-24 h after damage to aerial tissues,
with a concomitant rise in transcript levels of putrescine
N-methyltransferase (PMT), another key enzyme in nicotine biosynthesis.
In *N. glauca*, however, in which anabasine represents the major pyridine
alkaloid, QPRTase transcript was detected in both leaf and root tissues.
Moreover, wound induction of QPRTase but not PMT was observed in leaf
tissues, and not in roots, 12-24 h after wounding. Southern analysis of
genomic DNA from the *Nicotiana* species noted above, and also several
others from within the genus, suggested that QPRTase is encoded by a small
gene family in all the species investigated.

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

14.18

28.80

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Mar 19, 2004 (20040319/UP).

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=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.06	28.86

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.69

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STN INTERNATIONAL LOGOFF AT 09:09:34 ON 24 MAR 2004